
Path 15
PG&E Stakeholders Meeting
May 29, 2001



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Path 15 Facilities



Pacific Gas & Electric Company

- ◆ Los Banos-Gates 500 kV
 - ◆ Los Banos-Midway 500 kV
 - ◆ Gates-Panoche No. 1 230 kV
 - ◆ Gates-Panoche No. 2 230 kV
 - ◆ Gates-Gregg 230 kV
 - ◆ Gates-McCall 230 kV
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- ◆ 2001 Limit >> Up to 3950 MW (s-n)

- ◆ PG&E is the designated path owner

05-29-2001

Overview

- ◆ CPUC Filing
- ◆ Regional Planning Process
- ◆ WSCC Phase 1 Studies
- ◆ Need Studies
- ◆ Next Steps

CPUC Filing

- ◆ Conditional application for CPCN filed on 4-13-2001
- ◆ Includes:
 - * Plan of service, cost & implementation schedule
 - * Project Need --- historical-based – ISO Analysis
 - * 1988 Environmental Assessment
- ◆ CPCN Conditioned on
 - * Outcome of need analyses – future-based – PG&E and ISO Analysis
 - * PG&E Management and ISO approval to construct

Plan of Service per CPCN

- ◆ Los Banos – Gates Transmission Project
 - * New 84-mile 500 kV transmission line between Los Banos and Gates
 - * Loop and Terminate existing Los Banos-Midway line at Gates
 - * 230 kV Upgrades between Gates and Midway
 - * Installation of voltage support in the area
- ◆ Cost: ~\$300 million
- ◆ Increases Path 15 rating by ~1500 MW to ~ 5400 MW
- ◆ Operating Date: October 2004

Regional Planning

- ◆ Announcement letter submitted to PCC and WRTA
- ◆ About 15 entities interested in forming a Regional Planning Review Group (RPRG).... However
 - * No one interested in paying the cost of expanding the project
 - * Most interested in the Phase 2 technical studies
- ◆ Therefore, RPRG will not be formed
- ◆ Will use assessment stakeholder meetings for distributing general project information

WSCC Path Rating Study

◆ Purpose:

- ✧ Evaluate plan of service and determine new path rating

◆ Findings:

- ✧ Plan of service (without the 230 kV upgrade) adds 1500 MW of Path 15 capacity
- ✧ Shift of limiting outages from Los Banos South DLO to DLOs north and south of Path 15.
- ✧ Increased RAS (about 3000 MW) necessary for Los Banos North and Midway North DLO.
- ✧ RAS no longer needed for LBSDLO

◆ Additional studies:

- ✧ Reduced plan of service to support ~1000 MW path rating increase

Project Need Analysis

- ◆ Investigate whether the project is cost-justified
- ◆ Focus >> supply adequacy and congestion
- ◆ Factors considered
 - * Multiple generation build-out scenarios
 - * Two project sizes: 1500 MW and ~1000 MW

Project Implementation Schedule

- ◆ Complete Phase 1 and Need Analyses June/July 2001
- ◆ Complete Phase 1 Comprehensive Report June/July 2001
- ◆ Complete Regional Planning Report June 2001
- ◆ Obtain PG&E Management and ISO Approval Aug/Sep 2001
- ◆ CPCN Process April 2001 - Sep 2002
(or earlier)
- ◆ Construction 2002 - 2004
- ◆ Operating Date October 2004